## WHAT IS CLAIMED IS:

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- 1. 🔌 method for printing images using light black ink, comprising the steps of:
  - a) setting a first and second threshold, wherein the first and second thresholds are determined by an intensity value of the light black ink relative to standard black ink;

b) determining a gray component density value for a pixel;

- c) calculating a black generation value, wherein the black generation value is at one hundred percent if the gray component density is below the first threshold and the absòlute value of black is a constant if the gray component density is above the second threshold;
- d) generating values for other còlors dependent upon the black generation value.
- 2. The method of claim 1 wherein the intensity value of the light black ink is 1/3 intensity of standard ink.
- 3. The method of claim 1 wherein the first threshold is twenty five percent.
- 4. The method of claim 1 wherein the second threshold is thirty five percent.
- 5. The method of claim 1 wherein the other colors comprise cyan, magenta and yellow.
- 6. The method of claim 1 wherein the other colors comprise cyan, light cyan, magenta, light magenta and yellow.

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